1	CLAIMS
2	We claim:
3	1. A load lowering system, comprising:
4	a. at least one friction rod vertically mounted on a building;
5	b. a friction collar disposed around said friction rod;
6	c. means for creating a friction force between said friction collar and said friction
7	rod that resists movement of said friction collar over said friction rod;
8	d. at least one glide rod vertically mounted on a building, said glide rod being
9	spaced apart from and parallel to said friction rod, said glide rod including a helical thread
10	formed thereon;
11	e. a guide collar disposed around said glide rod, said guide collar including
12	means for engaging said thread on said guide rod 12 thereby causing said glide rod to rotate
13	as said glide collar travels over said glide rod; and,
14	e. a support platform disposed perpendicularly to said friction rod and said glide
15	rod, said support platform being supported by said friction collar when attached to said
16	friction rod and by said guide collar when attached to said guide rod.
17	
18	2. The load lowering system, as recited in Claim 1, wherein said means for creating the
19	amount of friction force is a plurality of biased friction points on said friction collar that press
20	against said friction rod.
2	
22	The load lowering system, as recited in Claim 2, wherein said friction collar includes
2	means for adjusting the amount of friction force between said friction force between said

- 11	
1	friction collar and said friction rod.
2	
3	4. The load lowering system, as recited in Claim 3, wherein said means for adjusting the
4	amount of friction forces are adjustment screws that adjust the amount of biasing forces
5	extended by said friction points.
6	
7	5. The load lowering system, as recited in Claim 2, wherein said friction rod varies in
8	diameter along its length.
9	
10	6. The load lowering system, as recited in Claim 3, wherein said friction rod varies in
11	diameter along its length.
12	
13	7. The load lowering system, as recited in Claim 1, wherein said guide collar includes an
14	upper bearing plate securely attached to said support platform and a rotating lower bearing
15	plate that rotates around said glide rod when said guide collar moves longitudinally over said
16	glide rod.
17	
18	8. The load lowering system, as recited in Claim 7, wherein said friction collar includes
19	means for adjusting the amount of friction force exerted by said means for creating friction
20	force between said friction collar and said friction rod.
21	
22	9. The load lowering system, as recited in Claim 8, wherein said friction collar includes
23	means for adjusting the amount of friction force exerted by said friction collar on said friction

1	rod.
2	
3	10. The load lowering system, as recited in Claim 9, wherein said friction rod varies in
4	10iameter along its length.
5	
6	11. The load lowering system, as recited in Claim 7, further including a set of bearings
7	disposed between said upper bearing plate and said lower bearing plate enabling said lower
8	bearing plate to rotate relative to said upper-bearing plate.
9	
10	12. The load lowering system, as recited in Claim 8, further including a set of bearings
11	disposed between said upper bearing plate and said lower bearing plate.
. 12	
13	13. The load lowering system, as recited in Claim 11, further including at least one vane
14	guide plate attached to said lower bearing plate that slides over said vanes on said glide rod as
15	said guide collar moves longitudinally over said glide rod.
16	
17	14. The load lowering system, as recited in Claim 12 further including at least one vane
18	guide plate attached to said lower bearing plate that slides over said vanes on said glide rod as
19	said guide collar moves longitudinally over said glide rod.
20	
21	15. The load lowering system, as recited in Claim 1 further including a collapsible canopy
22	attached to said support platform.
23	